

# AUTOPSY REPORT

Case Number:

October 4, 2017

### AUTOPSY REPORT

# PATHOLOGICAL EXAMINATION ON THE BODY OF

## PATHOLOGIC DIAGNOSES

Gunshot wound of leg. I.

#### OPINION

Based on the autopsy findings and the circumstances surrounding the death, as currently understood, the cause of death is gunshot wound of leg, and the manner of death is Homicide.

CAUSE OF DEATH:

This year-old female,

died

as a result of qunshot wound of leg.

Date signed: 12/20/17

MANNER OF DEATH:

HOMICIDE.

Forensic Pathologist

JC/kra/ag



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#### POSTMORTEM EXAMINATION ON THE BODY OF

Date of death: 2318 hours on October 1, 2017

Date of examination: 2335 hours on October 4, 2017

IDENTIFICATION: The body is identified by a tag on the right great toe bearing the decedent's name and case number.

WITNESSES: Assisting is Forensic Technician Brieanna. There are no outside observers.

CLOTHING: The body is unclad when initially viewed. A pair of blue jean shorts, two tank tops, a bra, and underwear accompany the body.

## EVIDENCE OF MEDICAL THERAPY:

1. Single lumen intravascular catheters in the antecubital fossae.

### EXTERNAL EXAMINATION

Injuries are described in a separate section below.

GENERAL: The body is that of a normally developed, well-nourished female appearing consistent with the listed age of years. length is 67 inches, and the weight is 166 pounds as received. The body is well preserved, cold, and has not been embalmed. Rigidity is fully developed in the jaw and extremities. Lividity is pink-purple, nonblanching, and in a posterior distribution.

The scalp is covered with black hair measuring up to 24 inches on the top of the head. The ears are normally formed and without drainage. No piercings are apparent. The irides are brown, the corneas are opaque, and the bulbar and palpebral conjunctivae are free of petechiae. The sclerae are white. The nose is intact, and the nares are unobstructed. The lips are normally formed. The teeth are natural and in good condition.



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NECK: The neck is symmetrical and without injury.

<u>CHEST AND ABDOMEN</u>: The chest is normally formed, symmetrical, and without palpable masses. The breasts are symmetrical, and without palpable masses.

The abdomen is flat and soft. No masses are palpable.

EXTERNAL GENITALIA: The atraumatic external genitalia are those of an adult female.

BACK: The back is straight and symmetrical. The anus is atraumatic.

<u>ARMS</u>: The arms are normally formed. No track marks or ventral wrist scars are noted. The fingernails are cut short and painted pink.

<u>LEGS</u>: The legs are normally formed and without edema, amputation, or deformity. The toenails are short, trimmed and painted pink.

# BODY MARKINGS (SCARS AND TATTOOS):

#### Scars:

- 1. A 6 x 1/16 inch scar on the mid-back.
- 2. Two  $1/2 \times 1/16$  inch scars on the posterior aspect of the right hand.

#### Tattoos:

- 1. A monochromatic tattoo of "JUST BREATHE" on the right side.
- 2. A monochromatic tattoo of "MARCUS CHRISTOPHER" on the left side.

### EXTERNAL EVIDENCE OF INJURY

### PERFORATING GUNSHOT WOUND OF THE LEG:

ENTRANCE: There is an entrance gunshot wound on the lateral right leg at the level of the knee. It is centered 16-1/2 inches above the heel and 2-1/4 inches right of midline. It is a 1/8 inch



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defect with a 1/16 inch rim of abrasion. No soot or stippling is identified to the adjacent skin.

 $\overline{\text{EXIT}}$ : There is an exit gunshot wound on the posterior aspect of the right leg. It is centered 17 inches above the heel and 1/2 inch left of midline. It is a 1/4 x 1/16 inch lacerated defect. A tourniquet is received with the body.

DIRECTION: Right-to-left, front-to-back, and slightly upward.

### OTHER INJURIES:

There are scattered abrasions on the knees. There is a  $2 \times 2$  inch purple contusion on the right cheek and a  $1 \times 1/4$  inch abraded contusion on the right brow area. There is right-sided subgaleal hemorrhage with hemorrhage into the right temporalis muscle. There is no internal head trauma. There are contusions of the left upper and right upper arms posteriorly. Examination of the tissues of the back shows no hemorrhage.

### INTERNAL EXAMINATION

BODY CAVITIES: The abdominal fat layer measures up to 4.2 cm in thickness. The body cavities have no hemorrhage or abnormal fluid. The serosal surfaces are smooth, glistening, and without adhesions. The organs are normally located. The diaphragm is intact.

CARDIOVASCULAR SYSTEM: The heart weighs 300 grams and is not enlarged. It has a normal shape with a smooth, glistening epicardium. The coronary arteries have a normal origin and distribution with right dominance. The coronary arteries have less than 10% yellow atherosclerotic stenosis.

The myocardium is red-brown, firm, and uniform without focal fibrosis, softening, or hyperemia. The ventricles are not dilated or hypertrophied. The right ventricle, left ventricle, and interventricular septum measure 0.3 cm, 0.8 cm, and 0.7 cm, respectively.





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The endocardium is intact, smooth, and glistening. The cardiac valve leaflets are of normal number, pliable, intact, and free of vegetations. The atrial and ventricular septa are free of defects.

The aorta follows its usual course and has minimal atherosclerotic changes. There are no vascular anomalies or aneurysms. The vena cavae and pulmonary arteries are without thrombus or embolus.

RESPIRATORY SYSTEM: The right and left lungs weigh 720 and 620 grams, respectively, and have the usual lobation. The pleura are smooth and glistening; the lungs have minimal anthracotic pigment. The lungs are congested and edematous. The parenchyma is dark red and exudes moderate amounts of fluid. The lungs have no consolidation, hemorrhage, infarct, tumor, gross fibrosis, or enlargement of airspaces. The bronchi contain no foreign material and have tan-pink mucosa.

HEPATOBILIARY SYSTEM: The liver weighs 1800 grams. The intact capsule is smooth and glistening. The parenchyma is red-brown and uniform without mass, hemorrhage, yellow discoloration, or palpable fibrosis.

The gallbladder contains less than 5 ml of bile and no stones. Its mucosa is uniform and the wall is not thickened.

The pancreas has a normal size, shape, and lobulated structure. The parenchyma is pink-tan, firm, and uniform.

HEMOLYMPHATIC SYSTEM: The spleen weighs 130 grams. The capsule is smooth and intact. The parenchyma is maroon, firm, and uniform.

There is no enlargement of the lymph nodes in the neck, chest, or abdomen.

ENDOCRINE SYSTEM: The thyroid gland is not enlarged, and the lobes are symmetrical. The parenchyma is uniform, firm, and redbrown.



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The adrenal glands have the usual size and shape. The cortices are thin, uniform, and yellow and there is no hemorrhage or tumor.

GASTROINTESTINAL SYSTEM: The esophagus and gastroesophageal junction are unremarkable. The stomach contains approximately 150 ml of food material without visible pills or pill residue. The gastric and duodenal mucosae are intact and unremarkable. The small and large intestines and appendix are unremarkable to inspection and palpation.

GENITOURINARY SYSTEM: The right and left kidneys weigh 150 and 160 grams, respectively, and have a normal shape and position. The cortical surfaces are granular. The kidneys have the usual corticomedullary structure without tumors or cysts. The pelves and ureters are not dilated or thickened. The bladder contains X ml of clear yellow urine. The mucosa is intact, and the bladder wall is not hypertrophied.

The uterus is slightly enlarged. The tubes and ovaries are of expected size and have smooth serosal surfaces. The cervix is patent with purulent material. The myometrium is uniform and the endometrium is unremarkable. The sectioned ovaries are unremarkable. The vagina is unremarkable.

NECK: The tongue, strap muscles, and other anterior neck soft tissues have no hemorrhage. The hyoid bone and the cartilaginous structures of the larynx and trachea are normally formed and without fracture. The airway is unobstructed, lined by smooth, pink-tan mucosa, and contains no foreign material. The cervical vertebrae have no displacement, hypermobility, or crepitus.

MUSCULOSKELETAL SYSTEM: The musculoskeletal system is well developed and free of deformity. There are no fractures of the clavicles, sternum, ribs, vertebrae, or pelvis. The ribs are not brittle. The skeletal muscle is dark red and firm.

<u>HEAD</u>: See Injuries External and Internal. The calvarium and base of the skull are normally configured and have no fractures. The dura is intact, and there is no epidural or subdural hemorrhage.



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CENTRAL NERVOUS SYSTEM: The unfixed brain weighs 1340 grams. The leptomeninges are glistening and transparent without underlying hemorrhage, exudate, or cortical contusions. The hemispheres are symmetrical and have a normal gyral pattern. There is no flattening of the gyri, narrowing of the sulci, midline shift, or evidence of herniation. The arteries at the base of brain have no atherosclerotic changes or aneurysms.

Sections through the cerebral hemispheres have a uniform, intact cortical ribbon and uniform white matter. The basal ganglia, thalami, hippocampi and other internal structures are symmetrical and without focal change. The ventricles are not enlarged, and the linings are smooth and glistening. Sections of the brainstem and cerebellum show an intact structure without focal lesions.

### SPECIMENS RETAINED

TOXICOLOGY: Samples of central blood and vitreous humor are retained for toxicology. Toxicological testing detected ethanol (0.031 g/100mL).

HISTOLOGY: Representative sections of organs and tissues are retained.

PHOTOGRAPHS: Digital identification photographs, overall external body photographs, and photographs of the gunshot wound are taken.

RADIOGRAPHS: Full body radiographs are taken and show small metallic fragments in the right leg.